

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	3	((HIDETOSHI) near2 (KITAGUCHI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/30 10:23
L3	2	((HIDETOSHI) near2 (KITAGUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 10:23
L4	2	((YOSHIHARU) near2 (FUJIMOTO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 10:23
L5	28	((YOSHIHARU) near2 (FUJIMOTO)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/30 10:23
L6	5	((HARUHIKO) near2 (KOMEDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 10:24
L7	12	((SETSUO) near2 (KITA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/30 10:24
L8	5	((YOSHISHIGE) near2 (NAKAMURA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 10:24
L9	2	((YOSHISHIGE) near2 (NAKAMURA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/30 10:25
S1	5	("4632767"   "4789588"   "4816336"   "5045387"   "6436855").FN.	US-PGPUB; USPAT	OR	ON	2008/12/21 16:10
S2	12	("3919319"   "4118327"   "4291071"   "4632767"   "4727177"   "4921622"   "4977294"   "4988449"   "5025076"   "5258129"   "5472455"   "5676660").FN. ("3919319"   "4118327"   "4291071"   "4632767"   "4727177"   "4921622"   "4977294"   "4988449"   "5025076"   "5258129"   "5472455"	US-PGPUB; USPAT	OR	ON	2008/12/21 16:10

		"5676660").PN.				
S3	15	(S1 S2) and (ammonium quaternary phosphate)	US-PGPUB; USPAT	OR	ON	2008/12/21 16:22
S4	12	(S1 S2) and (ammonium and quaternary and phosphate)	US-PGPUB; USPAT	OR	ON	2008/12/21 16:22
S5	7	(S1 S2) and (ammonium and quaternary and phosphate and aliphatic)	US-PGPUB; USPAT	OR	ON	2008/12/21 16:32
S6	0	(S1 S2) and (aliphatic adj hydrocarbon)	US-PGPUB; USPAT	OR	ON	2008/12/21 16:35
S7	1	"4833017".pn.	US-PGPUB; USPAT	OR	ON	2008/12/22 11:27
S8	11	("2563506"   "3056744"   "3238277"   "3388131").PN. OR ("4727177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 11:39
S9	9	("4416787"   "4727177"   "4822529"   "4842760"   "4920168"   "5025076"   "6177367"   "6214463").PN. OR ("6436855").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 11:49
S10	2250	quaternary adj ammonium adj salt	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:16
S11	74	S10 and phosphate adj salt	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:17
S12	578	S10 and fiber	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:17
S13	324	S12 and phosphate	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:18
S14	11	S13 and ("106"/\$. ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:18
S15	28	S12 and (c8 c9 c10 c11 c12)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:19
S16	142	S10 and (c8 c9 c10 c11 c12)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:19

S17	5074	quarternary adj ammonium	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:22
S18	2679	S17 and phosphate	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:22
S19	782	S18 and (silicone siloxane)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:22
S20	484	S17 and (c8 c9 c10 c11 c12 c13 c14 c15 c20 c22 c24)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:23
S21	350	S20 and phosphate	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:23
S22	203	S21 and aliphatic	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:24
S23	7462	ion and sensitive and dispersible and polymer	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:58
S24	0	ion near sensitive near dispersible near polymer	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:58
S25	102	ion near sensitive near polymer	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:58
S26	63	S25 and quaternary and ammonium	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 12:59
S27	58	S25 and (quaternary near ammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 13:00
S28	324	S13 and (wipe wiper fiber fabric)	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 13:29
S29	3	S28 and (two same (c8 c9 c10 c11 c12 c13 c14 c15 c16 c17 c18 c19 c20 c21 c22))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 13:30
S30	47	S28 and \$betaine	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 13:31
S31	47	S13 and \$betaine	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 13:33
S32	24	"2003228993".pn. "7012059".pn. "2003079297".pn. "2003119697".pn. "5827443".pn. "5441541".pn. "5472455".pn. "769288".pn. "4988449".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/01/22 16:59

S33	5	"2003228993".pn. "7012059".pn. "2003079297".pn. "2003119697".pn. "5827443".pn. "5441541".pn. "5472455".pn. "769288".pn. "4988449".pn.	US-PGPUB; USPAT	OR	ON	2009/01/22 16:59
S34	3	"2004090221"	DERWENT	OR	ON	2009/01/22 17:04
S35	4	("3997490"   "4324724"   "4943612").PN. OR ("5827443").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/22 17:24
S36	9	("4552671"   "4561987").PN. OR ("4921622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/22 17:26
S37	2074	quaternary adj ammonium adj salt	US-PGPUB; USPAT	OR	ON	2009/01/29 15:22
S38	1163	S37 and phosphate	US-PGPUB; USPAT	OR	ON	2009/01/29 15:23
S39	151	S37 and (C8 C18)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:24
S40	6	S39 and ("442"/\$. ccls. "428"/\$.ccls. "106"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:30
S41	561	S37 and long and side and chain	US-PGPUB; USPAT	OR	ON	2009/01/29 15:41
S42	65	S41 and ("442"/\$. ccls. "428"/\$.ccls. "106"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:42
S43	1	S37 and (long near side near chain)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:43
S44	8	("2994687"   "3297646"   "3718630").PN. OR ("3879350").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 15:44
S45	359	S37 and (long near chain)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:47
S46	175	S37 and (textile fabric) and (treatment finish)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:57
S47	735	S37 and (permeable permeability hydrophilic)	US-PGPUB; USPAT	OR	ON	2009/01/29 15:58

S48	25	S45 and S46 and S47	US-PGPUB; USPAT	OR	ON	2009/01/29 15:58
S49	124	("0162332"   "1281728"   "2117432"   "2575577"   "2626941"   "2673823"   "2759900"   "2773050"   "2839479"   "2893962"   "2956884"   "2976182"   "3026293"   "3165423"   "3184421"   "3265529"   "3326713"   "3328661"   "3356628"   "3360394"   "3393186"   "3398182"   "3436366"   "3594213"   "3639155"   "3896251"   "4013615"   "4032502"   "4108825"   "4110392"   "4112179"   "4162243"   "4162356"   "4216252"   "4216290"   "4250075"   "4287261"   "4293611"   "4297265"   "4311760"   "4329274"   "4369231"   "4370365"   "4426476"   "4427801"   "4442060"   "4454191"   "4472470"   "4478895"   "4500584"   "4500659"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 16:04

		"4504549"   "4539930"   "4548859"   "4555811"   "4560611"   "4562219"   "4585830"   "4588614"   "4600436"   "4619864"   "4666765"   "4684570"   "4753978"   "4758239"   "4785047"   "4828556"   "4894105"   "4919739"   "5004643"   "5019062"   "5128198"   "5209965"   "5322727"   "5418051").PN. OR ("6040251").URPN.				
S50	1	S49 and (quaternary adj ammonium adj salt)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 16:05
S51	3	"2004090221"	DERWENT	OR	ON	2009/01/29 16:09
S52	1	"4118327".pn.	US-PGPUB; USPAT	OR	ON	2009/01/29 16:37

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